Work Ord Thursday, June		1617 1:46 PM	-2-15	*121	617*						Page 1
Item ID: Revision ID: Item Name:	D3552-15 Door Prop	D 35	52-15 21617	Accept	*N900	<u>ი</u> 40	100)* s	etup Star Stop	171	S1*
Start Date: Required Date: Reference:	6/26/14	Start Qty: 10.00 Req'd Qty: 10.00	*10* *10*		Cust Item I Customer:	D:				14	. 1/
Approvals:	Process Plan	n: MLJ	Date: <u>14-06 - 3</u>			ate:		R	Run Star Stop	^IVI	R1* R2*
Sequence ID/ Work Center I		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr		ision Nbr									e)
D3552	K										
1 0 0		PURCHASING		0.00				C	£ 1410	W/30	10
Purchasing Purchasing		Supplier:LS	24807 art Number: B8-154-387-3 Technologies of conformity is required	0.00 00NX						()	
*110 * 110*		Receive & Inspect for Da	amage & Mat'l Certs	0.00				/:		_	(i)
Packaging		Memo		0.00				1	1917/	' 	
Packaging		Ensure certi	ficate of conformity is atta	ached					* '		
*120		QC6- Inspect dimension	s to drawing	0.00	0AS 27 -89)			<i>K</i> 3			
QC		Memo		$_{0.00}$ \mathcal{H}	<i> ' </i>			<u>/</u>			
Quality Control		Test for cor	rect pressure								

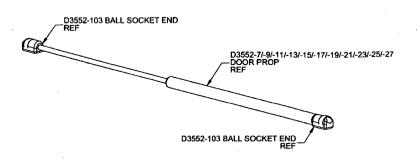
DQA:			Date:											"DART
QA Closed:			Date:			WORK ORDER NON	-CC	OHOI	RMANCE / UP		ork Order up	date only	\neg	AEROSPACE
ar croseu.			- Jute.			DISPOSITION					PARTMENT			
Work Orde	er:					DISFOSITION	.			AGAIIGI D		,		F
						Rework			Skid-tube	Crosstube	4	Water Jet	_	Engineering
Part N	lo.		<u>.</u>			Scrap			Machining	Small Fab		d. Eng. Coor.	_	Quality
					·	Use-as-is	1 1	Thern	noforming	Finishing	Rec/Stoi	re/Packaging	_	Other
NCR N	lo.		****			Suspected Unapproved]		Large Fab	Composite	J	Supplier		
Root					Desc	ription of work order update		nitial	Acti	on	Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption	Date	Verification	1	QC Inspector
Design	_													
Doc/Data														
Equip/Tooling	_													
Handling/Pre	_													
Material	_												1	
Operator														
Offset/Setup	\dashv	•												
Process	\dashv													
Supplier 	\dashv													
Training				:										
Transport Unapproved	\dashv				,									
Oliappioved					L		FA	ULT CA	TEGORY		1			
Landii	ng G	iear	· · · · · · · · · · · · · · · · · · ·			General						···		
		Bending				Bend		Folio/F	rogram		Outside Dim	ensions		Pressure/Forced
		Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance		Set-up
		Cracks				Broken/Damage/Defect		Hardwa	re		Part Incorre	ci		Temperature/Cure
		Crimp/Kii	nk/Ripple,	/Wave		Burrs		Inspect	ion Incomplete/Un	qualified	Part Lost/M	ssing		Weld
		Cuffs				Contamination		Instruct	tions Incomplete/U	Inclear	Part Moved			Wrong Stock Pulled
		Crushing				Countersink		Misali	gned/off center		Positioned V	Vrong		
		Heat Trea	at			Cut Too Short		Mislabe	eled		Power Loss/	Surge		Other
		Inspectio	n Strip in	Tube		Drawing		Misrea	d					
		Marks/Ch	natter			Drill Holes		Off-set						
		Turning S	equence			Finish		4	Calibration					
l		Wave/Tw	ist in Tub	e		Fit/Function		Out of	Sequence					

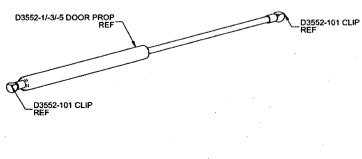
121617

Page 2 Thursday, June 26, 2014 3:04:46 PM Item ID: Accept *N900040100* D3552-15 Setup Start **Revision ID:** Stop Item Name: Door Prop *10* **Start Qty: 10.00 Start Date:** 6/26/14 **Cust Item ID:** Required Date: 6/26/14 Req'd Qty: 10.00 *10* **Customer:** Reference: Start Run Date:_____ Tooling: Date: **Approvals: Process Plan:** Stop QC: Date: SPC (Y/N): Date: Reject Tool # Plan Reject Sequence ID/ Set Up/ **Tool ID** Accept Insp. Operation **Qty** Number Stamp Code **Work Center ID** Description **Run Hours Qty** DAS JUL 0 7 2014 Identify as per dwg & Stock Location: 57.363 0.00 130 28 *120* 9-89 0.00 Packaging Memo Packaging 0.00 140 QC21- Final Inspection - Work Order Release MLJ 14-07-09 *140* 0.00 QC mr 14-7-8 Memo Quality Control

DQA:			Date:						DAAANGE / HIDDATE				"DART
			5			WORK ORDER NON-	-CC	NFO	RMANCE / UPDATE	W۵	rk Order up	date only	AEROSPACE
QA Closed:			Date:				Ŧ			***	TK Oraci ap	date only	
						DISPOSITION			AGAINST	DE	PARTMENT	PROCESS	
Work Orde	er: -					Rework	ıl		Skid-tube Crosstube			Water Jet	Engineering
Dort A	١٥					Scrap			Machining Small Fab	_	Prod	d. Eng. Coor.	Quality
Part N	-					Use-as-is			noforming Finishing			e/Packaging	Other
NCR N	l٥					Suspected Unapproved			Large Fab Composite			Supplier]
	٠		***	*			' 						
Root					Desci	ription of work order update	l	nitial	Action		Sign &		
Cause	j	Date	Step	Qty		or non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector
Design													
Doc/Data													
Equip/Tooling													
Handling/Pre													
Material	_											1	
Operator				İ									
Offset/Setup													
Process	_		1										
Supplier	_												
Training													
Transport													
Unapproved			<u> </u>	<u> </u>	l		FAI	ULT CA	TEGORY		<u> </u>		
Landi	nø G	iear				General							
		Bending			Γ	Bend		Folio/F	Program		Outside Dim	iensions	Pressure/Forced
	Н	Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance	Set-up
	\vdash	Cracks				Broken/Damage/Defect		Hardwa	are		Part Incorre	-	Temperature/Cure
ļ		Crimp/Kii	nk/Ripple	/Wave		Burrs		Inspect	tion Incomplete/Unqualified		Part Lost/M	_	Weld
		Cuffs				Contamination		_	tions Incomplete/Unclear	_	Part Moved	_	Wrong Stock Pulled
		Crushing				Countersink	L	4	gned/off center	\vdash	Positioned \		ا ما
		Heat Trea	at			Cut Too Short		Mislab		L	Power Loss/	'Surge	Other
		Inspectio	n Strip in	Tube		Drawing		Misrea	·				
	<u>L</u>	Marks/Cl	natter			Drill Holes	-	Off-set					
	L	Turning S				Finish	_	-	Calibration				
1	1	Wave/Tw	ist in Tul	be		Fit/Function		Out of	Sequence				

SPECIFICATION CONTROL DRAWING







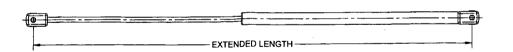
SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

D

c

DESIGN	DART AFROCRA	AF 13					
REV.	DESCRIPTION	BY	DATE				
Α	NEW ISSUE LE 06.09.15						
В	ADD D3552-7/-9; UPDATE DESC. D3552-1/-3/-5	LE	08.10.24				
C	ADD D3552-11 AND CONVERSIONS FOR INSPECTION; UPDATE PIN FOR D3552-7	LE	07.06.01				
D	ADD P/N D3552-101 ZN D6-1, C7-1, C1-1 AND D3552-103 ZN D1-1 AND C2-1 AND ZN B8-1; ADD NOTE REGARDING D3552-101 AND D3552-103 COMPATIBILITY ZN A8-1	HS	09.04.02				
E	ADD P/N D3552-13 ZN B8-1, A8-1, D6-1, CHANGE NAME FROM "GAS SPRING" TO "DOOR PROP" THROUGH OUT DWG	HS	10.02.03				
F	ADD P/N D3552-15/-17/-19 AND ALTERNATE SUPPLIER	JPH	10.07.27				
G .	FOR -15, FORCE:300/67.4 WAS 400/89.9, SUPPLIER P/N B8- 154-387-300N WAS B8-154-387-400N; FOR -17, STROKE: 139;5.47 WAS 160/6.30, EXT LG: 366/15.2 WAS 407/16.0, SUPPLIER P/N B8-154-387-156N WAS B8-167-408-156N	JPH	10.11.01				
н	ADD P/N D3552-21	DC	11.03.10				
ı	ADD P/N D3552-23	RF	11.10.11				
J	ADD PIN D3552-25'-27. REMOVE ALTERNATE PART NUMBER FOR -15, -17 AND -19. STROKE FOR -15, -17 AND -19 WAS 1396, 06 NOW 1546, 06. EXTENDED LENGTH FOR -15,-17 AND -19 WAS 386/15.2 NOW 387/15.2.	AP	11.12.07				
к	ADD "X" TO LS TECHNOLOGIES PIN'S TO DESIGNATE "EXTRA DAMPING" FOR D3552-15/-17/-19/-25/-27. REASON: PAR12-209.	мв	12.07.16				

REV.			DESCRIPTION	BY	DATE		
DESIGN CONTROL OF THE PROPERTY		6	DART AER	OSPACE L	ACE LTD		
		50	HAWKESBURY, ONTARIO, CANADA				
CHECKE			DRAWING NO.		REV. K		
MFG. API	PR.	٤n.	D3552		. SHEET 1 OF 2		
APPROV	ED //	WJ -	TITLE		SCALE		
DE APPR.		H	DOOR PROP		NTS		
DATE 12.07.16		COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS COOLING ITS REVIVE NO COMPENTIAL AND IS JUMPUS ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY REMOVED OF COMPLACE TO TO NAME POWERS WITHOUT					



DART PART NUMBER	DESCRIPTION	STROKE (mm/in)	EXTENDED LENGTH (mm/in)	FORCE (N/lb)	END FITTING	MATERIAL	SUPPLIER	SUPPLIER PART NUMBER OR MODEL NUMBER
D3552-1	DOOR PROP	220/8.66	530/20.6	70/15.7	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-220-530-070N
D3552-3	DOOR PROP	200/7.87	490/19.3	200/45.0	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-200-490-200N
D3552-5	DOOR PROP	175/6.89	430/16.9	150/33.7	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-175-430-150N
D3552-7	DOOR PROP	220/8.66	530/20.9	70/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-220-530-070N
D3552-9	DOOR PROP	200/7.87	490/19.3	200/45.0	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-200-490-200N
D3552-11	DOOR PROP	240/9.45	575/22.6	150/33.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-240-575-150N
D3552-13	DOOR PROP	220/8.66	530/20.9	140/31.5	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-220-530-140N
D3552-15	DOOR PROP	154/6.06	387415.2	300/67.4	HOMM NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES.	88-154-387-300NX
D3552-17	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	156/35.1	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-156NX
D3552-19	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	60/13.5	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-060NX
D3552-21	DOOR PROP	167/6.57	410/16.1	70/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-167-410-070N
D3552-23	DOOR PROP	190/7.48	475/18.7	70/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-190-475-070N
D3552-25	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	300/67.4	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-300NX
D3552-27	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	156/35.1	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-156NX
D3552-101	CLIP	N/A	N/A	N/A	N/A	CARBON STEEL	LS TECHNOLOGIES	C9
D3552-103	BALL SOCKET END	N/A	N/A	N/A	N/A	NYLON	LS TECHNOLOGIES	B10

D3552-X DOOR PROP

D

С

В

,					
de	DART AEROSP	DART AEROSPACE LTD			
	HAWKESBURY, ONTA	RIO, CANADA			
M	DRAWING NO.	REV. K			
12	D3552	SHEET 2 OF 2			
-#ti	TITLE	SCALE			
3#	DOOR PROP	NTS			
7.16	THE DOCUMENT IS PRIVATE AND COMPIDENTIAL AND IS SUPPL NOT TO BE USED FOR MAY PURPOSE OR COPIED OR COMMAN	JED ON THE EXPRESS CONDITION THAT IT IS VICATED TO MAY OTHER PERSON WITHOUT			
	*	DRAWING NO. D3552 TITLE DOOR PROP			

NOTES: 1) IDENTIFICATION: IDENTIFY PER QSI 044 6.2 2) D3552-101 CLIP IS ONLY COMPATIBLE WITH D3552-1/-3/-5-DOOR PROPS 3) D3552-103 BALL SOCKET END IS ONLY COMPATIBLE WITH D3552-7/-9/-11/-13/-15/-17/-19/-21/-23/-25/-27 DOOR PROPS



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel; 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO24807

Purchase Order Date 6/30/2014 PO Print Date 6/30/2014

Page Number 1 of 2

ier From:

VC-LST0001

DART AEROSPACE LTD Ship To:

LS TECHNOLOGIES INC.

314 JESSOP AVE

SASKATOON, SK S7N 1Y6 CA

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

306 683 5000

FedEx PI collect

Buyer

Chantal Lavoie

Customer POID Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship Acct:

Ship Via:

Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date		Req Qty/ Unit of Measure	PO Unit Price	Extended Price
B8-154-387-300NX	Gas Spring	7/3/2014 Yes 7/3/2014		10.00 Each	\$26.50	\$265.00
AS PER DWG D3552-15 REV.k B121617	· · ·	7,5,201	1			

SSA4/8-122-310-360N

Gas Spring

7/3/2014 Yes

7/3/2014

20.00 Each \$65.00

\$1,300.00

\$265.00

AS PER DWG D3969-3 REV. C B121441

Line Total:

Line Total:

\$1,300.00

Note:

LS TECHNOLOGIES INC

Saskatoon, SK S7N 1Y6 314 Jessop Ave Saskatoon, SK S7N 1Y6 Ph # (306) 683-5000

Packing Slip

P.O. No.	Date	Invoice #
24807	7/04/2014	11444

Ship To	
Main Finished Goods Location Dart Aerospace Ltd 1270 Aberdeen St. Hawkesbury, ON K6A 1K7	

Ship	Via	FOB
	Fed-Ex	

Qty	Description
10	D3552-15 D121617 Gas Spring (300N)
20	D3969-3 B121441 Stainless Gas Spring
	Shipping Via FED EX Tracking # 770514217496



LS Technologies Inc 314 Jessop Ave Saskatoon, SK, S7N 1Y6

Ph: (306) 683-5000 Fax: (306) 683-6403

Certificate of Compliance

July 4, 2014

This is to certify that the parts listed below meets specifications as required by your order.

10 Units: D3552-15 B121617 Gas Spring

20 Units: D3969-3 B121441 Stainless Gas Spring

Country of Manufacture: Canada Date of Manufacture: June 2014 This product is ROHS compliant.

Purchase Order # 24807 Invoice # 11444

L S Technologies Inc Canada

Nolan Fehr Manager